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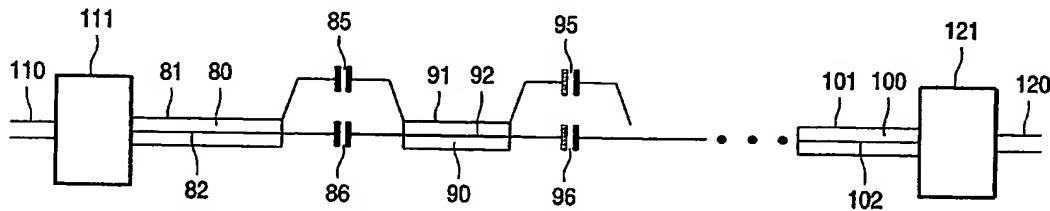
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(54) Title: TRANSMISSION CABLE



(57) Abstract: The use of standard coaxial cables for, e.g. connecting optional receive MR coils to MR-scanners has the problem that parasitic cable resonances may occur, which may cause RF burns to a patient. According to the present invention, the cable is divided into a huge number of small pieces. Each conductor in the small pieces is connected to the respective conductor in another small piece via a series capacitor. Due to this, e.g. at MR frequency, the cable according to the present invention is completely off resonant, such that no parasitic resonance may occur.